

# CREB Rabbit mAb

Catalog # AP75291

## Product Information

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<b>Application</b>	WB, IHC-P, FC, IP
<b>Primary Accession</b>	<a href="#">P16220</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	35136

## Additional Information

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<b>Gene ID</b>	1385
<b>Other Names</b>	CREB1
<b>Dilution</b>	WB~~1:500-1:10000 IHC-P~~N/A FC~~1:50-1:100 IP~~1:20-1:100
<b>Format</b>	1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

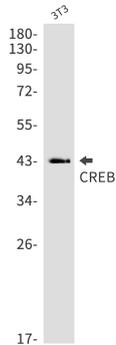
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<b>Name</b>	CREB1
<b>Function</b>	Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters (By similarity). Transcription activation is enhanced by the TORC coactivators which act independently of Ser-119 phosphorylation (PubMed: <a href="#">14536081</a> ). Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells (By similarity). Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (By similarity).
<b>Cellular Location</b>	Nucleus {ECO:0000255   PROSITE-ProRule:PRU00312, ECO:0000255   PROSITE-ProRule:PRU00978, ECO:0000269   PubMed:12552083}

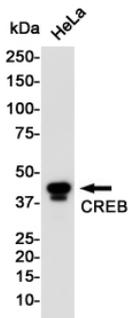
## Background

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome.

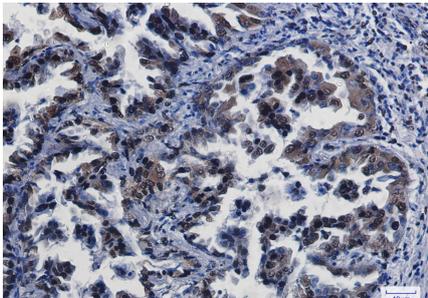
## Images



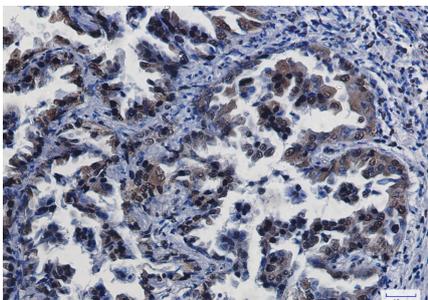
Western blot analysis of CREB in 3T3 lysates using CREB antibody.

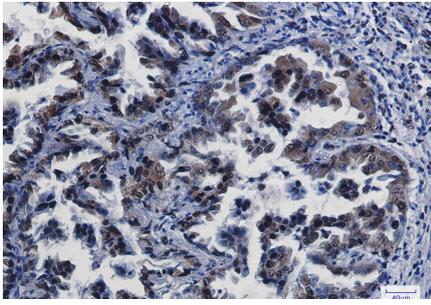


Western blot analysis of CREB in HeLa lysates using CREB antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using CREB antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.





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